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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,170	12/20/2001	Kaisa Kautto-Koivula	4208-4058	2797

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02/22/2005

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EXAMINER
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NGUYEN, CAO H

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 02/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/028,170

Applicant(s)

KAUTTO-KOIVULA ET AL.

Examiner

Cao (Kevin) Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 November 2004.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-85 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-85 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-85 are rejected under 35 U.S.C. 102(b) as being anticipated by Broulik et al. (US Patent No. 6,323,881).

Regarding claim 1, Broulik discloses a method of creating an interface in a contextualized interaction environment for use in a computing device, comprising: receiving user instruction regarding information displayed on the interface, said interface represented in the contextualized interaction environment by a node map [..provided apparatus for a web based graphical user interface (GUI) server for a telecommunications node comprising a module for creating a predetermined number of interface tasks at initialization and a session manager for establishing a session and associating one of the predetermined number of interface tasks with the session.; see col. 3, lines 10-23]; updating said internal node map in accordance with said user instruction; and displaying the interface in accordance with the updated internal node map [..The dynamic (or real-time) updating is implemented at two places. First, the CGI task is notified about the change by telecommunications node's applications.; see col. 6, lines 28-54]

Regarding claim 2, Broulik discloses, wherein said node map is arranged to represent said user information in a particular context on the interface (see col. 5, lines 43-57).

Regarding claim 3, Broulik discloses further comprising adding new information for

display on the interface (see col. 5, lines 58-62).

Regarding claim 4, Broulik discloses wherein said new information is represented in said node map by adding a new node thereto (see col. 6, lines 1-14).

Regarding claim 5, Broulik discloses wherein said new information is related to existing information, such that said new node is linked to an existing node in said node map to form a relationship (see col. 6, lines 40-54).

Regarding claim 6, Broulik discloses where said new node inherits all properties of said existing node (see col. 4, lines 8-47).

Regarding claim 7, Broulik discloses, further comprising deleting existing information from display on the interface (see col. 6, lines 40-47).

Regarding claim 8, Broulik discloses wherein said deleting of existing information represented in said node map by removing an existing node that corresponds to the information being deleted (see col. 7, lines 5-32).

Regarding claims 9 and 10, Broulik discloses wherein user information is represented a particular context on the interface by utilizing a content abstraction layer, said content abstraction layer comprising links to at least one of content, applications, services and devices (see col. 7, lines 33-64).

Regarding claim 11, Broulik discloses further comprising transmitting information regarding the interface to a remote master device, wherein said master device is capable of controlling processing of information on the computing device (see col. 8, lines 7-19).

Regarding claims 12 and 13, Broulik discloses wherein said master device is connected to a service provider, such that the computing device is able to utilize services provided by said

service provider (see figures 1-2).

As claims 14-36 are analyzed as previously discussed with respect to claims 2-13 above.

Regarding claims 37, Broulik discloses wherein said processor is further configured for transmitting information regarding the interface to a remote master device, wherein said master device is capable of controlling processing of information on the computing device (see figure 3).

Regarding claims 38, Broulik discloses wherein said master device is connected to a service provider, such that the computing device is able to utilize services provided by said service provider (see figure 4).

As claims 39-81 are analyzed as previously discussed with respect to claims 1-13 and 37-38 above.

Regarding claims 82, Broulik discloses an apparatus for providing a user interface comprising elements that represent at least one context, the user interface being modifiable by a user for interactive communication with a display and a common interface (see col. 8, lines 26-60), said common interface carrying enablement elements for said user interface for communication between said common interface and at least one computing device, said communication comprising authentication information linked to said common interface, said communication between said interface and said at least one computing device being based on said authentication information linked to said common interface (see col. 7, lines 54-64).

Regarding claims 82 -85, Broulik discloses wherein authentication information is transmitted by mobile phone to common interface (see col. 8, lines 56-67 and figures 1-3).

***Response to Arguments***

Applicant's arguments filed on 11/18/04 have been fully considered but they are not persuasive.

On page 13 and 14 of the remarks; applicant argues that Broulik does not teach or suggest "receiving user instruction regarding information displayed on the interface, said interface represented in the contextualized interaction environment by a node map". However, the limitations as claimed set forth to rely upon "In order to provide a craft user interface based on a web GUI, synchronization of current session states on a telecommunications node and a browser must be provided. Current HTTP protocol and servers are stateless, that is, the servers process one request at a time and they do not rely on previous requests. For the CUI session, however, the context is an important aspect of operation. The browser and the telecommunications node need to have a memory of what session the current page/window is associated with and as well the state of a particular session. The association of a session with the page is described herein below in regard to the session management. The context sensitivity, i.e., how the state of a current session on the browser and the Telecommunications node is synchronized is described here. Context sensitivity means, that any time the user interacts with the telecommunications node, he/she can operate and get information only on the current configuration of the node; see col. 5, lines 43-67 and figure 3.

On page 14 and 15 of the remarks; applicant argues that Broulik does not teach or suggest "interface represented in the contextualized interaction environment by a node map; and displaying the interface in accordance with the updated internal node map. However, the limitations as claimed set forth to rely upon "...connectivity, that is, ability to remote login from

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one telecommunications node to another telecommunications node is a basic requirement of the craft user interface (CUI). The web based GUI of the present embodiment consists of the following components that facilitate connectivity: proxy server and address service. The proxy server works as a relay and as a protocol converter. Each node, in order to support the web based GUI, has a proxy server. The proxy server operates on requests. Requests conform to the HTTP protocol. The proxy determines the destination of a request and relays the request to the proper node for example from node to node. If the request is destined to the local node, then the request is passed to the HTTP server. The address service maintains the address space, that is the addresses and names of the telecommunications nodes that are using a OSI protocol address service. Each node has a (Network) Service Access Point (NSAP). The NSAPs are reused by the proxy server for addressing telecommunications nodes.

On page 14 and 15 of the remarks; applicant argues that Broulik does not teach or suggest “displaying the interface in accordance with the updated internal node map”. However, the limitations as claimed set forth to rely upon “..main building blocks for the web based GUI are buttons, forms, tables, list, selections and hypertext links. The browser interprets these HTML/Java/JavaScript elements. Additional building blocks include maps, style sheets, graphics and XML elements. Using the browser and its capabilities allows for a common look and feel of user interfaces across different telecommunications products, from the top managing nodes to the bottom managed nodes. A GUI screen for the embodiment of FIG. 3. The screen includes a main menu, and output area, a first submenu, a second submenu and a parameters area. The screen layout for the client has been designed to provide immediate user feedback. The users should see the immediate context of their interaction with the

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telecommunications node. They should see on the session screen, what command has been issued, what the current state of the command execution is, and what options have been used with the current command. This design intent is achieved by dividing the screen into several hierarchical areas: main menu area, first submenu area, second submenu area, parameters area and output area. Each area displays immediate identification of the command executed in its first line; see col. 9, lines 1-25.

Accordingly, the claimed invention as represented in the claims does not represent a patentable distinction over the art of record.

### ***Conclusion***

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (see PTO-892).

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.



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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (571)272-4053.

The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571)272-4048. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cao (Kevin) Nguyen  
Primary Examiner  
Art Unit 2173

2/18/05